REMARKS

The specification has been amended to correct errors of a typographical and grammatical nature. Due to the number of corrections thereto, applicants submit herewith a Substitute Specification, along with a marked-up copy of the original specification for the Examiner's convenience. The substitute specification includes the changes as shown in the marked-up copy and includes no new matter. Therefore, entry of the Substitute Specification is respectfully requested.

The abstract has also been amended to more clearly describe the features of the present invention.

Also submitted herewith is a proposed amendment to the drawings, wherein Figs. 1, 2, 15, 18, 19, 29, 31, 32 and 33 have been amended at this time. Upon receipt of the approval of the amendment to the drawings and receipt of a Notice of Allowance, the proposed drawing corrections will be effected in accordance with present practice.

Entry of the preliminary amendments and examination of the application is respectfully requested.

To the extent necessary, applicant's petition for an extension of time under 37 CFR 1.136. Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (501.39894X00) and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

Melvin Kraus
Registration No. 22,466

DRA/MK/jla
(703) 312-6600

REWRITTEN MARKED UP COPY

ABSTRACT OF THE DISCLOSURE

A luminance characteristic of inputted video data is determined by input video image characteristic detection sections, and polygonal line point master data and polygonal line point correction data are calculated based on the luminance characteristic so as to provide a satisfactory display state ~~by~~ using a microcomputer and are outputted to the polygonal line generation sections. The polygonal line point data determining the output gradation characteristic is calculated in polygonal point generation sections and outputted to inter-point gradation operation sections, and operation processing is conducted by using the polygonal point data and the inputted video data in the inter-point operation sections to determine the inter-point gradation and outputted to a display panel.